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L4: Entry 1 of 1

File: DWPI

DERWENT-ACC-NO: 1971-66792S
DERWENT-WEEK: 197142
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TITLE: Terephthalic acid prepn

PATENT-ASSIGNEE:

ASSIGNEE	CODE
FMC CORP	FMCC

PRIORITY-DATA: 1970US-0025251 (April 2, 1970)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NL 7103373 A			000	
CA 946410 A	April 30, 1974		000	
DE 2116212 A			000	
DE 2116212 B			000	
FR 2089101 A			000	
GB 1314915 A			000	
JP 46004019 A			000	
US 3678106 A			000	

INT-CL (IPC): C07C 51/16; C07C 63/26

ABSTRACTED-PUB-NO: NL 7103373A

BASIC-ABSTRACT:

Terephthalic acid is prepnd. from p-xylene and/or p-toluic acid by (a) suspending the raw material in an aqs. carrier contg. 0.04-20 moles hydrogen bromide per mole of cpd. to be oxidised, and also at least 10% wt. (based on the cpd) activated carbon when the raw material is p-xylene, (b) applying a pressure of at least 3.5 kg/cm²g. (measured at room temp) of an oxygen-contg. gas, and (c) heating the reaction mixt. to 150-250 degrees C.

Method gives high yields of terephthalic acid without the use of metal catalyst.

The product can be easily purified.

TITLE-TERMS: TEREPHTHALIC ACID PREPARATION

DERWENT-CLASS: A43 E14

CPI-CODES: A01-E11; E10-C02;

CHEMICAL-CODES:

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